

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-003

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period April 12-18, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period 04/12-04/18

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED Woy RK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: There were no accidents or injuries during the reporting period. Prime Pest Control was on site on April 17th to treat office and administration areas for wasp and hornet control.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer for the reporting period.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, April 17, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Spokane Tribe of Indians
- Dawn Mining Company (DMC)/Newmont
- WME
- US Army Corps of Engineers
- Stantec
- AJAX Ltd.

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- EPA approved the update on the Residuals Management Plan which stated that there were no changes to the previously approved plan.
- EPA approved the submittal that concluded there were no eagle nests in the construction area.
- EPA indicated that there were no further comments on the SPCC which is on Attachment 4 of the Emergency Response Plan. Final approval of the SPCC will occur with the finalization of the entire Emergency Response Plan.

Regulatory Site Visit(s):

- None

REMEDIAL WORK ACTIVITIES

Construction:

During the week of April 12-18, 2019, the following activities were conducted:

- Excavating, hauling and placing material from the Lime Protore Stockpile 8 (Stockpile 8, low reactivity material, Figure 1), Ore Stockpile 4 (Stockpile 4, high activity/high reactivity material, Figure 2), and South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP and Stockpile 8 were placed on the east and west side of Pit 4 to create the 20' rind buffer area. Some material from SWRP was placed at the south end of the pit to start forming the 20' rind for the top surface. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
April 12-18, 2019	3,503	98,084
2019 Cumulative	7,584	212,352

1 – Truck load assumed to be 28 yd³

- The liner from the Stormwater Storage Pond (400,000-gallon pond) was disposed of in Pit 4 (Figure 3). CQC personnel verified that the liner was greater than 50-feet from the risers and pit walls and was placed in a lift less than 2 feet thick.
- Fogle Pump and Supply, Inc. removed the backup pumps from the Pit 4 vertical dewatering risers and stored them in Area 5 on April 16th. The pumps will remain onsite for deployment if the pumps in the Horizontal Dewatering System (HDS) fail.
- Began relocating the HDS generator to the area of the HDS Vault.
- Pit 4 tension crack was measured on April 15th. The horizontal distance between movement pins remains at 53.75 inches.
- Extensions were added to the vertical dewatering riser on April 17th (Figure 4). The risers now extend down 210' to the Underdrain Sump (UDS) and 170' to the Waste Rock Dewatering Sump (WRDS).

Stormwater Pollution Prevention Plan (SWPPP) Activities

- None

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- Electric Powered Genie manlift

The following equipment was demobilized from the Site during this reporting period.

- None

All non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

Table 2 - TSP Dust Monitoring Locations during reporting period Apr 12 – Apr 18, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	Light vehicle road east of Stockpile 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/N			D/N	D/N	D/N	D/N
ES-8 (roving)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, etc.) – No Operation * Equipment malfunction (Battery)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Approval Date
None			
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
RFI 2019-03 In Process	Placement of Wood Chips in Waste Containment Areas	3/11/2019 4/18/2019	3/15/2019 Approval Denied by EPA Provide Additional Information Based on EPA Request to Address the 5 Items Outlined in their Response Contractor Response to EPA comments submitted for review.
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQA-CQC Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Other Items			
Item	Title	Comments	
None			

A copy of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- The West Infiltration Collection System Preparatory Meeting was held on 4/18/2019 at the Midnite Mine Conference Room. Site prep work is currently scheduled for Friday (4/19/2019). Construction of the system is scheduled to begin the week of 4/22/2019.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill (Figure 5)
 - Mine waste excavated from Stockpile 8 (high activity/low reactivity), and the South Waste Rock Pile (low activity/low reactivity) was placed along the edges of the pit to construct the

20-foot buffer zone (rind). Mine waste excavated from Stockpile 4 (high activity/high reactivity) was placed in areas of the pit bounded by the 20-foot buffer zone.

- The 400,000 Gallon Storm Water (SW) Storage Pond liner was removed and placed in Pit 4 within the limits of the Demolition Debris Zone in the northern middle portion of the pit at an approximate elevation of 3168. The liner was tracked over by a dozer to consolidate the material into a height of less than 2 feet and then buried during regular backfill operations.
- Pit 4 HDS Pump System
 - The Contractor is in the process of moving the HDS pump system generator to a new location located adjacent to the HDS pipe vault in Area 5.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – 390 Excavator Loading haul trucks at Stockpile 8. The D6 Dozer is cutting material to the South Pond crest elevation.



Figure 2 – 390 Excavator loading haul trucks at Stockpile 4 while the D8 Dozer, using GPS machine control, maintains a level cut floor



Figure 3 – 400,000 Gallon Stormwater Storage Pond liner placement within the demolition debris zone in Pit 4, looking southwest



Figure 4 – Newly Installed Pit 4 WRDS Risers and Friction Sleeves, Looking West



Figure 5 – Pit 4 backfill looking south, as of April 18th

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule						Data Date: 18-Apr-19 Print Date: 19-Apr-19			
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.	April 2019			May 2019				
						14	21	28	05	12	19		
Midnite Mine 2019 Production Schedule													
Project Operations													
Pit 4 Operations													
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	3%	140	16-Apr-19 A	NMC								
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	3%	140	16-Apr-19 A	NMC								
IC10	Install Pit 4 Infiltration Collectors (LOE)	0%	137	23-Apr-19	NMC								
WTP & South Pond Excavation to Pit 4													
Stockpiles 8, 3 and 4													
SP8-10	Excavate and Haul remaining portions of Stockpiles 8, 3 and 4	16%	77	01-Apr-19 A	NMC								
South Pond													
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	0%	94	18-Apr-19	NMC								
SWRP (South Waste Rock Pile) to Pit 4													
SWRP North													
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	5%	55	01-Apr-19 A	NMC								

◆ Current Milestone
 ■ Actual Work
 ■ Remaining Work
 ■ Critical Remaining Work
 ■ Remaining Level of Effort
 ■ Actual Level of Effort